

MW LOCATION FOR  
#2 IS WRONG  
IT IS SE OF Lagoon

23 ☐

0

4000 Feet





**Hall Environmental Analysis Laboratory, Inc.**

Date: 08-Sep-09

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0908429  
**Project:** Rockhill Dairy  
**Lab ID:** 0908429-01

**Client Sample ID:** MW-1  
**Collection Date:** 8/24/2009 10:00:00 AM  
**Date Received:** 8/25/2009  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: TAF
EPA METHOD 300.0: ANIONS						
Chloride	50	0.50		mg/L	5	8/25/2009 4:53:45 PM
Nitrogen, Nitrate (As N)	12	0.10		mg/L	1	8/25/2009 4:36:19 PM
						Analyst: MMS
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	1380	20.0		mg/L	1	8/31/2009
						Analyst: KMS
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	8/31/2009 1:27:00 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 5

COVER LETTER

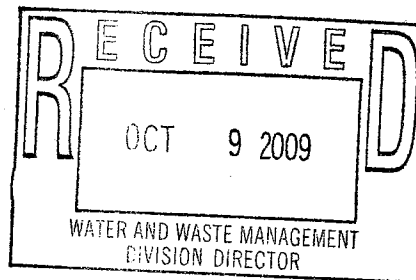
Tuesday, September 08, 2009

Brandon Estes  
Estes Sampling Service  
P.O. Box 1422  
Roswell, NM 88202

TEL: (505) 347-2945  
FAX

RE: Rockhill Dairy

Dear Brandon Estes:



Order No.: 0908429

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 8/25/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

  
Andy Freeman, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001  
Texas Lab# T104704424-08-TX



07-450

# Hall Environmental Analysis Laboratory, Inc.

Date: 08-Sep-09

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0908429  
**Project:** Rockhill Dairy  
**Lab ID:** 0908429-02

**Client Sample ID:** MW-2  
**Collection Date:** 8/24/2009 12:41:00 PM  
**Date Received:** 8/25/2009  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						
						Analyst: TAF
Chloride	450	5.0		mg/L	50	8/26/2009 1:53:24 PM
Nitrogen, Nitrate (As N)	64	1.0		mg/L	10	8/25/2009 6:03:22 PM
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						
						Analyst: MMS
Total Dissolved Solids	3160	40.0		mg/L	1	8/31/2009
<b>SM 4500 NORG C: TKN</b>						
						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	9/3/2009 9:28:00 AM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 08-Sep-09

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0908429  
**Project:** Rockhill Dairy  
**Lab ID:** 0908429-03

**Client Sample ID:** MW-3  
**Collection Date:** 8/24/2009 11:56:00 AM  
**Date Received:** 8/25/2009  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: TAF
<b>EPA METHOD 300.0: ANIONS</b>						
Chloride	310	2.0		mg/L	20	8/26/2009 2:10:48 PM
Nitrogen, Nitrate (As N)	44	0.50		mg/L	5	8/25/2009 6:20:47 PM
						Analyst: MMS
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						
Total Dissolved Solids	2010	200		mg/L	1	8/31/2009
						Analyst: LJB
<b>SM 4500 NORG C: TKN</b>						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	9/3/2009 9:28:00 AM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 3 of 5

# Hall Environmental Analysis Laboratory, Inc.

Date: 08-Sep-09

CLIENT: Estes Sampling Service  
Lab Order: 0908429  
Project: Rockhill Dairy  
Lab ID: 0908429-04

Client Sample ID: MW-4  
Collection Date: 8/24/2009 11:00:00 AM  
Date Received: 8/25/2009  
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: TAF						
EPA METHOD 300.0: ANIONS						8/25/2009 7:13:00 PM
Chloride	140	1.0		mg/L	10	8/25/2009 6:55:36 PM
Nitrogen, Nitrate (As N)	15	0.50		mg/L	5	
Analyst: MMS						
SM2540C MOD: TOTAL DISSOLVED SOLIDS						8/31/2009
Total Dissolved Solids	1360	20.0		mg/L	1	
Analyst: LJB						
SM 4500 NORG C: TKN						9/3/2009 9:28:00 AM
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

Page 4 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 08-Sep-09

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0908429  
**Project:** Rockhill Dairy  
**Lab ID:** 0908429-05

**Client Sample ID:** Lagoon  
**Collection Date:** 8/24/2009 1:00:00 PM  
**Date Received:** 8/25/2009  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: LJB
EPA METHOD 300.0: ANIONS						
Chloride	240	2.0		mg/L	20	8/27/2009 3:00:21 PM
Nitrate (As N)+Nitrite (As N)	16	1.0		mg/L	5	8/27/2009 3:17:45 PM
						Analyst: MMS
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	2960	400		mg/L	1	8/31/2009
						Analyst: KMS
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	320	20		mg/L	1	8/31/2009 1:27:00 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 5 of 5



01-452

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-May-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0805185  
**Project:** Rockhill Dairy  
**Lab ID:** 0805185-01

**Client Sample ID:** MW #2  
**Collection Date:** 5/12/2008 10:30:00 AM  
**Date Received:** 5/14/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	500	2.0		mg/L	20	5/15/2008 7:17:22 PM
Nitrogen, Nitrate (As N)	67	1.0		mg/L	10	5/14/2008 9:42:57 AM
<b>SM 2540C TOTAL DISSOLVED SOLIDS</b>						Analyst: KMS
Total Dissolved Solids	3200	20		mg/L	1	5/14/2008
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/19/2008

highest gw NO3-N ever

GROUND WATER

JUL 31 2008

BUREAU

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 1 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-May-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0805185  
**Project:** Rockhill Dairy  
**Lab ID:** 0805185-02

**Client Sample ID:** Lagoon  
**Collection Date:** 5/12/2008 10:49:00 AM  
**Date Received:** 5/14/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	140	1.0		mg/L	10	5/14/2008 10:35:10 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/14/2008 10:35:10 AM
<b>SM 2540C TOTAL DISSOLVED SOLIDS</b>						Analyst: KMS
Total Dissolved Solids	2400	100		mg/L	1	5/14/2008
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	210	10		mg/L	1	5/19/2008

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 2 of 5

DP-452

# Hall Environmental Analysis Laboratory, Inc.

Date: 29-May-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0805185  
**Project:** Rockhill Dairy  
**Lab ID:** 0805185-03

**Client Sample ID:** MW#1  
**Collection Date:** 5/12/2008 8:32:00 AM  
**Date Received:** 5/14/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	47	1.0		mg/L	10	5/15/2008 2:50:02 AM
Nitrate (As N)+Nitrite (As N)	9.1	1.0		mg/L	5	5/15/2008 3:07:27 AM
<b>SM 2540C TOTAL DISSOLVED SOLIDS</b>						Analyst: KMS
Total Dissolved Solids	1400	20		mg/L	1	5/14/2008
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	5/19/2008

**Qualifiers:**

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- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-May-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0805185  
**Project:** Rockhill Dairy  
**Lab ID:** 0805185-04

**Client Sample ID:** MW#3  
**Collection Date:** 5/12/2008 10:09:00 AM  
**Date Received:** 5/14/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	350	1.0		mg/L	10	5/15/2008 3:42:16 AM
Nitrate (As N)+Nitrite (As N)	46	1.0		mg/L	5	5/15/2008 3:59:40 AM
<b>SM 2540C TOTAL DISSOLVED SOLIDS</b>						Analyst: KMS
Total Dissolved Solids	2400	400	H	mg/L	1	5/22/2008
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/19/2008

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Page 4 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-May-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0805185  
**Project:** Rockhill Dairy  
**Lab ID:** 0805185-05

**Client Sample ID:** MW#4  
**Collection Date:** 5/12/2008 9:21:00 AM  
**Date Received:** 5/14/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	130	1.0		mg/L	10	5/15/2008 4:34:28 AM
Nitrate (As N)+Nitrite (As N)	14	1.0		mg/L	5	5/15/2008 4:51:52 AM
<b>SM 2540C TOTAL DISSOLVED SOLIDS</b>						Analyst: KMS
Total Dissolved Solids	1400	20		mg/L	1	5/14/2008
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	5/19/2008

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
B Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

Page 5 of 5

## QA/QC SUMMARY REPORT

Client: Estes Sampling Service  
Project: Rockhill Dairy

Work Order: 0805185

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 300.0: Anions</b>									
Sample ID: MB		MBLK							
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Sample ID: MB		MBLK							
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Sample ID: MB		MBLK							
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Sample ID: LCS		LCS							
Chloride	4.819	mg/L	0.10	96.4	90	110			
Nitrogen, Nitrate (As N)	2.463	mg/L	0.10	98.5	90	110			
Sample ID: LCS		LCS							
Chloride	4.772	mg/L	0.10	95.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.361	mg/L	0.20	96.0	90	110			
Sample ID: LCS		LCS							
Chloride	4.857	mg/L	0.10	97.1	90	110			
Nitrogen, Nitrate (As N)	2.490	mg/L	0.10	99.6	90	110			
<b>Method: SM 2540C Total Dissolved Solids</b>									
Sample ID: MB-15942		MBLK							
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-15942		LCS							
Total Dissolved Solids	1016	mg/L	20	102	80	120			
<b>Method: SM4500-Norg C: TKN</b>									
Sample ID: 0805185-03A MSD		MSD							
Nitrogen, Kjeldahl, Total	9.800	mg/L	1.0	98.0	75	125	1.44	20	
Sample ID: MB-15959		MBLK							
Nitrogen, Kjeldahl, Total	ND	mg/L	1.0						
Sample ID: LCS-15959		LCS							
Nitrogen, Kjeldahl, Total	9.940	mg/L	1.0	99.4	80	120			
Sample ID: 0805185-03A MS		MS							
Nitrogen, Kjeldahl, Total	9.660	mg/L	1.0	96.6	75	125			

## Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Page 1

COVER LETTER

Friday, February 29, 2008

4.28.08  
GROUND WATER

Brandon Estes  
Estes Sampling Service  
P.O. Box 1422  
Roswell, NM 88202  
TEL: (505) 347-2945  
FAX

JUL 31 2008

BUREAU

RE: Rockhill Dairy



Order No.: 0802246

Dear Brandon Estes:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 2/21/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001



**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-Feb-08

CLIENT: Estes Sampling Service

Client Sample ID: MW #1

Lab Order: 0802246

Collection Date: 2/20/2008 10:35:00 AM

Project: Rockhill Dairy

Date Received: 2/21/2008

Lab ID: 0802246-01

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	51	1.0		mg/L	10	2/21/2008 6:22:35 PM
Nitrogen, Nitrate (As N)	10	0.10		mg/L	1	2/21/2008 6:05:10 PM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	1400	20		mg/L	1	2/25/2008
<b>SM4500-NORG C: TKN</b>						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	2/27/2008

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit



08-952

# Hall Environmental Analysis Laboratory, Inc.

Date: 29-Feb-08

CLIENT: Estes Sampling Service  
Lab Order: 0802246  
Project: Rockhill Dairy  
Lab ID: 0802246-02

Client Sample ID: MW #2  
Collection Date: 2/20/2008 12:23:00 PM  
Date Received: 2/21/2008  
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	460	2.0		mg/L	20	2/21/2008 6:57:23 PM
Nitrogen, Nitrate (As N)	53	1.0		mg/L	10	2/21/2008 6:39:59 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	3000	200		mg/L	1	2/25/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	2/27/2008

GROUND WATER

JUL 31 2008

BUREAU

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-Feb-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0802246  
**Project:** Rockhill Dairy  
**Lab ID:** 0802246-03

**Client Sample ID:** MW #3  
**Collection Date:** 2/20/2008 11:50:00 AM  
**Date Received:** 2/21/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	320	1.0		mg/L	10	2/21/2008 7:32:11 PM
Nitrogen, Nitrate (As N)	45	1.0		mg/L	10	2/21/2008 7:32:11 PM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	1900	400		mg/L	1	2/25/2008
<b>SM4500-NORG C: TKN</b>						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	2/27/2008

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-Feb-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0802246  
**Project:** Rockhill Dairy  
**Lab ID:** 0802246-04

**Client Sample ID:** MW #4  
**Collection Date:** 2/20/2008 11:13:00 AM  
**Date Received:** 2/21/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	140	1.0		mg/L	10	2/21/2008 8:41:48 PM
Nitrogen, Nitrate (As N)	15	0.10		mg/L	1	2/21/2008 7:49:35 PM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	1300	20		mg/L	1	2/25/2008
<b>SM4500-NORG C: TKN</b>						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	2/28/2008

**Qualifiers:**

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- E Value above quantitation range
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- H Holding times for preparation or analysis exceeded
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- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 29-Feb-08

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0802246  
**Project:** Rockhill Dairy  
**Lab ID:** 0802246-05

**Client Sample ID:** Lagoon  
**Collection Date:** 2/20/2008 12:35:00 PM  
**Date Received:** 2/21/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	310	2.0		mg/L	20	2/21/2008 8:59:13 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	2/21/2008 8:59:13 PM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	5400	1000		mg/L	1	2/26/2008
<b>SM4500-NORG C: TKN</b>						Analyst: KS
Nitrogen, Kjeldahl, Total	280	20		mg/L	1	2/28/2008

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

COVER LETTER

Monday, December 10, 2007

Brandon Estes  
Estes Sampling Service  
P.O. Box 1422  
Roswell, NM 88202  
TEL: (505) 347-2945  
FAX

RE: Rockhill Dairy

Dear Brandon Estes:

 **ENTERED**

1.28.08  
GROUND WATER

JUL 31 2008

BUREAU

Order No.: 0711304

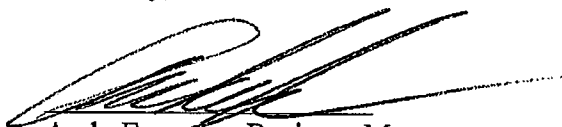
Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 11/19/2007 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001



**Hall Environmental Analysis Laboratory, Inc.**

Date: 10-Dec-07

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0711304  
**Project:** Rockhill Dairy  
**Lab ID:** 0711304-01

**Client Sample ID:** MW #1  
**Collection Date:** 11/18/2007 9:02:00 AM  
**Date Received:** 11/19/2007  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: KS
Chloride	48	1.0		mg/L	10	11/20/2007 12:26:48 AM
Nitrogen, Nitrate (As N)	11	0.10		mg/L	1	11/20/2007 12:09:23 AM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	1400	20		mg/L	1	11/21/2007
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	11/26/2007

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 10-Dec-07

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0711304  
**Project:** Rockhill Dairy  
**Lab ID:** 0711304-02

**Client Sample ID:** MW #2  
**Collection Date:** 11/18/2007 11:36:00 AM  
**Date Received:** 11/19/2007  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SMP
Chloride	420	2.0		mg/L	20	12/5/2007 1:15:13 PM
Nitrogen, Nitrate (As N)	41	1.0		mg/L	10	11/20/2007 1:36:25 AM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	3100	200		mg/L	1	11/21/2007
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	11/26/2007

GROUND WATER

JUL 31 2008

BUREAU

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 10-Dec-07

**CLIENT:** Estes Sampling Service**Client Sample ID:** MW #3**Lab Order:** 0711304**Collection Date:** 11/18/2007 11:03:00 AM**Project:** Rockhill Dairy**Date Received:** 11/19/2007**Lab ID:** 0711304-03**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: KS
Chloride	310	1.0		mg/L	10	11/20/2007 2:11:14 AM
Nitrogen, Nitrate (As N)	43	1.0		mg/L	10	11/20/2007 2:11:14 AM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	2200	400		mg/L	1	11/21/2007
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	11/29/2007

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



**Hall Environmental Analysis Laboratory, Inc.**

Date: 10-Dec-07

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0711304  
**Project:** Rockhill Dairy  
**Lab ID:** 0711304-04

**Client Sample ID:** MW #4  
**Collection Date:** 11/18/2007 10:19:00 AM  
**Date Received:** 11/19/2007  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: KS
Chloride	120	1.0		mg/L	10	11/20/2007 2:46:04 AM
Nitrogen, Nitrate (As N)	14	0.10		mg/L	1	11/20/2007 2:28:39 AM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	1300	200		mg/L	1	11/21/2007
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	11/29/2007

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

**Hall Environmental Analysis Laboratory, Inc.**

Date: 10-Dec-07

**CLIENT:** Estes Sampling Service  
**Lab Order:** 0711304  
**Project:** Rockhill Dairy  
**Lab ID:** 0711304-05

**Client Sample ID:** Lagoon  
**Collection Date:** 11/18/2007 12:00:00 PM  
**Date Received:** 11/19/2007  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: KS
Chloride	190	2.0		mg/L	20	11/20/2007 3:03:29 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	11/20/2007 3:03:29 AM
<b>SM 2540C: TDS</b>						Analyst: TAF
Total Dissolved Solids	3800	400		mg/L	1	11/21/2007
<b>SM4500-NORG C: TKN</b>						Analyst: TAF
Nitrogen, Kjeldahl, Total	370	10		mg/L	1	11/29/2007 hi

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit



5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock, Texas 79490  
Tel: (806) 796-2805 Fax : (806) 796-2825

ANALYTICAL RESULTS FOR  
COWBELL TESTING  
ATTN: AMY MUNSON  
P. O. BOX 310  
HAGERMAN, NM 88232  
PHONE: (505) 752-0939

Receiving Date: 04/24/06  
Reporting Date: 05/09/06  
Project Number: DP-  
Project Name: ROCKHILL DAIRY  
Project Location: DEXTER, NM

Sampling Date: 04/22/06  
Sample Type: WELL H<sub>2</sub>O, WASTE H<sub>2</sub>O  
Sample Condition: COOL & INTACT  
Sample Received By: MR  
Analyzed By: RG, TE

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO <sub>3</sub> -NO <sub>2</sub> -N (mg/L)
Date Analysis Batch Started:		04/27/06	05/01/06	05/01/06	04/25/06
Time Analysis Batch Started:		8:25	13:00	9:00	13:00
AK10419-1	DOMESTIC	1,325	80	< 0.2 *	7.2
AK10419-2	MW 2	2,755	350	< 0.2 *	34.0
AK10419-3	MW 4	1,145	140	< 0.2 *	10.6
AK10419-4	LAGOON	2,865	310	180	0.18
Date Analysis Batch Finished:		04/28/06	05/01/06	05/02/06	04/25/06
Time Analysis Batch Finished:		10:43	16:50	11:02	16:40
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		1002	51	4.65	0.497
True Value QC		1000	50	5.00	0.500
% Instrument Accuracy		100	102	93	99
% Extraction Accuracy		N/A	97	91	112
Relative Percent Difference		1	3	0	1
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl <sup>-</sup>	351.4	353.3

\*Less than the Minimum Detection Limit.

  
Mario Rodriguez, Director.

5-09-06  
Date

